

	Type	Ref #	Hits	Search Text	DBs
1	BRS	S1	1400	429//163	USPAT
2	BRS	S2	2	S1 and (battery same case) and (plastic same matrix)	USPAT
3	BRS	S3	188	429//167	USPAT
4	BRS	S4	193	429//167	US-PGPUB; USPAT
5	BRS	S5	0	S4 and (battery same case) and (plastic same matrix)	US-PGPUB; USPAT
6	BRS	S6	16	(battery same housing same case) and (matrix same plastic\$2 same material\$2)	US-PGPUB; USPAT
7	BRS	S8	1	(battery near case) same (matrix same plastic\$2)	US-PGPUB; USPAT
8	BRS	S9	5	(battery near case) and (matrix near plastic\$2)	US-PGPUB; USPAT
9	BRS	S10	2	(battery near case) and (matrix near plastic\$2)	USOCR
10	BRS	S11	1	(battery near case) and (matrix near plastic\$2)	EPO; JPO; DERWENT
11	BRS	S12	5	(battery near case) and (matrix near plastic\$2)	US-PGPUB; USPAT
12	BRS	S13	0	(battery near case) same composite same plastic\$2 same matrix	US-PGPUB; USPAT
13	BRS	S14	14	(battery near case) same polycarbonate	US-PGPUB; USPAT
14	BRS	S15	24	(battery near (case or housing)) same (matrix same material\$2)	US-PGPUB; USPAT
15	BRS	S16	294	(battery near (case or housing)) and (matrix same polymer\$4)	US-PGPUB; USPAT
16	BRS	S17	19	(battery near (case or housing)) same (matrix same polymer\$4)	US-PGPUB; USPAT
17	BRS	S18	2	(battery near (case or housing)) same (matrix same polymer\$4)	USOCR
18	BRS	S19	3	(battery near (case or housing)) same (matrix same polymer\$4)	EPO; JPO; DERWENT
19	BRS	S20	1	"20030207993"	US-PGPUB

	Type	Ref #	Hits	Search Text	DBs
20	BRS	S21	0	S20 and matrix and polymer\$3 and case and plastic\$2 and insulat\$3 and conduc\$6	US-PGPUB
21	BRS	S22	1	S20 and matrix and polymer\$3 and case	US-PGPUB
22	BRS	S23	0	S20 and matrix and polymer\$3 and case and plastic\$2	US-PGPUB
23	BRS	S24	0	S20 and matrix and polymer\$3 and case and insulat\$3 and conduc\$6	US-PGPUB
24	BRS	S25	0	S20 and matrix and polymer\$3 and case and conduc\$6	US-PGPUB
25	BRS	S26	0	S20 and matrix and polymer\$3 and case and insulat\$6	US-PGPUB
26	BRS	S27	1	S20 and matrix and polymer\$3 and case	US-PGPUB
27	BRS	S28	1	S20 and matrix and polymer\$3 and case and therm\$8 and elect\$7	US-PGPUB
28	BRS	S29	334	(battery near (case or housing)) and ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) and (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether))	US-PGPUB; USPAT
29	BRS	S30	4	(battery near (case or housing)) same ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) same (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether))	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
30	BRS	S31	48	(battery near (case or housing)) and ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) same (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether))	US-PGPUB; USPAT
31	BRS	S32	11	(battery near (case or housing)) and ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) same (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether)) and (polymer\$2 same matrix)	US-PGPUB; USPAT
32	BRS	S33	10	(battery near (case or housing)) and ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) same (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether)) and (polymer\$2 same blend)	US-PGPUB; USPAT
33	BRS	S34	11	(battery near (case or housing)) same (matrix near (material or polymer\$3))	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
34	BRS	S35	72	(battery near (case\$3 or housing)) and ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) same (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether))	US-PGPUB; USPAT
35	BRS	S36	326	(battery near (case\$3 or housing)).ti.	US-PGPUB; USPAT
36	BRS	S37	16	(battery near (case\$3 or housing)).ti. and insulat\$4 and therm\$5	US-PGPUB; USPAT
37	BRS	S38	431	(battery same case same matrix)	US-PGPUB; USPAT
38	BRS	S39	13	(battery same case same matrix) and polycarbonate	US-PGPUB; USPAT
39	BRS	S40	181	(battery same case same matrix) and polymer\$3	US-PGPUB; USPAT
40	BRS	S41	253634	(battery same case same matrix) and polymer\$3 and (calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)	US-PGPUB; USPAT
41	BRS	S42	32	(battery same case same matrix) and polymer\$3 and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
42	BRS	S43	0	(battery same case same matrix) and polymer\$3 and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	EPO; JPO; DERWENT
43	BRS	S44	6	(battery same case same matrix) and polymer\$3 and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	USOCR
44	BRS	S45	21853	(battery same (case or housing)) and (polycarbonate or polyethylene or polypropylene or acrylic\$2 or vinyl\$2 or polyamide\$2 or poly\$4 or acryl\$8 or alloy\$2)	US-PGPUB; USPAT
45	BRS	S46	4669	(battery same (case or housing) same (polycarbonate or polyethylene or polypropylene or acrylic\$2 or vinyl\$2 or polyamide\$2 or poly\$4 or acryl\$8 or alloy\$2))	US-PGPUB; USPAT
46	BRS	S47	119	(battery same (case or housing) same (polycarbonate or polyethylene or polypropylene or acrylic\$2 or vinyl\$2 or polyamide\$2 or poly\$4 or acryl\$8 or alloy\$2) same matrix)	US-PGPUB; USPAT
47	BRS	S48	26	(battery near (case or housing) same (polycarbonate or polyethylene or polypropylene or acrylic\$2 or vinyl\$2 or polyamide\$2 or poly\$4 or acryl\$8 or alloy\$2) same matrix)	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
48	BRS	S49	1	"6602637".pn.	USPAT
49	BRS	S50	827	"1" and anode\$2 and cathode\$2 and (positive or negative) and separator and case and matrix and (polymer\$2 or plastic\$2 or resin\$2)	USPAT
50	BRS	S51	0	S49 and anode\$2 and cathode\$2 and (positive or negative) and separator and case and matrix and (polymer\$2 or plastic\$2 or resin\$2)	USPAT
51	BRS	S52	0	S49 and anode\$2 and cathode\$2 and separator and case and matrix and (polymer\$2 or plastic\$2 or resin\$2)	USPAT
52	BRS	S53	1	S49 and matrix and (polymer\$2 or plastic\$2 or resin\$2)	USPAT
53	BRS	S54	1	S49 and matrix and (polymer\$2 or plastic\$2 or resin\$2) and (anode\$2 or cathode\$2 or positive or negative)	USPAT
54	BRS	S55	1	S49 and matrix and (polymer\$2 or plastic\$2 or resin\$2) and (anode\$2 or cathode\$2 or positive or negative) and case	USPAT
55	BRS	S56	1	10/824062	US-PGPUB
56	BRS	S57	1	S56 and (thermally near conductive) and (electrically near insulating)	US-PGPUB
57	BRS	S58	1	S56 and (thermally near conductive) and (electrically near insulating) and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	US-PGPUB

	Type	Ref #	Hits	Search Text	DBs
58	BRS	S59	0	S49 and matrix and (polymer\$2 or plastic\$2 or resin\$2) and (anode\$2 or cathode\$2 or positive or negative) and case and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	USPAT
59	BRS	S60	1	"20030207943"	US-PGPUB
60	BRS	S61	0	S60 and matrix and (polymer\$2 or plastic\$2 or resin\$2) and (anode\$2 or cathode\$2 or positive or negative) and case and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	USPAT
61	BRS	S62	0	S60 and matrix and (polymer\$2 or plastic\$2 or resin\$2) and (anode\$2 or cathode\$2 or positive or negative) and case and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	US-PGPUB
62	BRS	S63	0	S60 and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	US-PGPUB
63	BRS	S64	1	S49 and reinforc\$3	USPAT

	Type	Ref #	Hits	Search Text	DBs
64	BRS	S65	1	S49 and (lid or cap)	USPAT
65	BRS	S66	0	S49 and (cloth or mesh or matte)	USPAT
66	BRS	S67	0	S60 and (cloth or mesh or matte)	USPAT
67	BRS	S68	0	S60 and matrix and (polymer\$2 or plastic\$2 or resin\$2) and (anode\$2 or cathode\$2 or positive or negative) and case and ((calcium near oxide) or (titanium near oxide) or (silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride))	US-PGPUB
68	BRS	S69	0	S60 and (cloth or mesh or matte)	US-PGPUB
69	BRS	S70	6	(battery near case) and (case same (cloth or mesh or matte) same mold\$3)	US-PGPUB
70	BRS	S71	15	(battery near case) and (case same (cloth or mesh or matte) same mold\$3)	US-PGPUB; USPAT
71	BRS	S72	1	S49 and glass and fiber	USPAT
72	BRS	S73	0	(battery near case).ti. and (molded same (mesh or matte or cloth))	USPAT
73	BRS	S74	0	(battery near case).ti. and (molded same (mesh or matte or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
74	BRS	S75	1	(battery near case).ti. and (mold\$3 same (mesh or matte or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
75	BRS	S76	102	(battery near case) and (mold\$3 same (mesh or matte or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

	Type	Ref #	Hits	Search Text	DBs
76	BRS	S77	2	(battery near case) and (mold\$3 near (mesh or matte or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
77	BRS	S78	321	(battery near case) and (case same (mesh or matte or cloth))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
78	BRS	S79	36	(battery near case) and (case\$3 same (mesh or matte or cloth) same mold\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
79	BRS	S80	67	(battery near case) and (case\$3 same (mesh or matte or mat or cloth) same mold\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
80	BRS	S81	4	"3584758".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
81	BRS	S82	1	"3584758".pn.	USPAT
82	BRS	S83	1	S82 and (mesh or mat or fiber)	USPAT
83	BRS	S84	62	(battery near case) and (boron near nitride)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
84	BRS	S85	4	((battery near case) same (boron near nitride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
85	BRS	S86	20	((battery same case) same (boron near nitride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
86	BRS	S87	2	((battery same casing) same (boron near nitride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

	Type	Ref #	Hits	Search Text	DBs
87	BRS	S88	2	((battery near housing) same (boron near nitride))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
88	BRS	S89	725	(battery and (boron near nitride) and insulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
89	BRS	S90	245	(battery and (boron near nitride) same insulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
90	BRS	S91	14	(battery same (case or casing or housing) same (boron near nitride) same insulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
91	BRS	S92	527887	(conductiv\$4 same (boron near nitride) same additive smae particl\$3)	USPAT
92	BRS	S93	12	(conductiv\$4 same (boron near nitride) same additive same particl\$3)	USPAT
93	BRS	S94	19	(conductiv\$4 same (boron near nitride) same additive same particl\$3)	US-PGPUB; USPAT
94	BRS	S95	1	"6713088".pn.	US-PGPUB; USPAT
95	BRS	S96	1	S95 and (boron near nitride) and partic\$3 and conductiv\$4	US-PGPUB; USPAT
96	BRS	S97	1	10/824062	US-PGPUB
97	BRS	S98	1	S97 and conductivity	US-PGPUB
98	BRS	S100	1	"6713088".pn.	US-PGPUB; USPAT
99	BRS	S99	1	"3584758".pn.	USPAT
100	BRS	S102	1	S101 and (matrix near material)	US-PGPUB
101	BRS	S103	1	S101 and (matrix near material\$2)	US-PGPUB
102	BRS	S101	1	10/824062	US-PGPUB

	Type	Ref #	Hits	Search Text	DBs
103	BRS	S104	220	220//586	US-PGPUB; USPAT; USOCR
104	BRS	S108	5	S106 and (thermal\$3 near3 conduct\$5) and filler	US-PGPUB; USPAT; USOCR
105	BRS	S113	9	S112 and (thermal\$3 near3 conduct\$5) and filler\$2	US-PGPUB; USPAT; USOCR
106	BRS	S111	2	S110 and (thermal\$3 near3 conduct\$5) and filler\$2	US-PGPUB; USPAT; USOCR
107	BRS	S110	87	220//592.09	US-PGPUB; USPAT; USOCR
108	BRS	S107	34	220//577	US-PGPUB; USPAT; USOCR
109	BRS	S106	5	S104 and (thermal\$3 near3 conduct\$5) and filler	US-PGPUB; USPAT; USOCR
110	BRS	S105	22	S104 and (thermal\$3 near3 conduct\$5)	US-PGPUB; USPAT; USOCR
111	BRS	S109	5	S106 and (thermal\$3 near3 conduct\$5) and filler\$2	US-PGPUB; USPAT; USOCR
112	BRS	S112	400	220//592.2	US-PGPUB; USPAT; USOCR
113	BRS	S120	1	10/824062	US-PGPUB
114	BRS	S121	1	S120 and thermal\$4	US-PGPUB
115	BRS	S122	1	S120 and twice	US-PGPUB
116	BRS	S118	1	S114 and contain\$3 and matrix and conductivity and thermal\$4	US-PGPUB
117	BRS	S117	1	S114 and contain\$3	US-PGPUB
118	BRS	S114	1	"20030038140"	US-PGPUB
119	BRS	S123	1	S120 and thermal\$4 and conductivit\$4	US-PGPUB
120	BRS	S119	1	S114 and contain\$3 and matrix and conductivity and thermal\$4 and filler\$2	US-PGPUB
121	BRS	S115	0	S114 and batter\$3	US-PGPUB
122	BRS	S116	1	S114 and devic\$3	US-PGPUB

	Type	Ref #	Hits	Search Text	DBs
123	BRS	S129	49	(battery near case) and (matrix same plastic\$2)	US-PGPUB; USPAT
124	BRS	S128	20	(battery same housing same case) and (matrix same plastic\$2 same material\$2)	US-PGPUB; USPAT
125	BRS	S127	0	S126 and (battery and (boron near nitride) and insulat\$4)	EPO; JPO; DERWENT
126	BRS	S126	2178	H01M002/00	EPO; JPO; DERWENT
127	BRS	S125	1	S124 and (battery and (boron near nitride) and insulat\$4)	EPO; JPO; DERWENT
128	BRS	S124	13441	H01M002/02	EPO; JPO; DERWENT
129	BRS	S132	1	10/824062	US-PGPUB
130	BRS	S131	64	(battery and (case\$3 hous\$4) and (plastic\$2 polymer\$2 resin\$2) and (thermal\$4 near3 conductiv\$5)).clm.	US-PGPUB; USPAT; USOCR
131	BRS	S130	60	(battery near (case or housing)) and ((silicon near oxide) or (zinc near oxide) or (silicon near nitride) or (aluminum near nitride) or (boron near nitride)) same (polycarbonate or polyethylene or polypropylene or polystyrene or copolymer\$2 or (polypropylene near ether))	US-PGPUB; USPAT
132	BRS	S133	38	((puttaiah same rajeev) (smaga same john) (himmler same ronald) (higley same lin) (muller same marshall)).in.	US-PGPUB; USPAT
133	BRS	S135	9	S134 and battery and conductivity and matrix and (case casing) and electrode\$2	US-PGPUB; USPAT; USOCR
134	BRS	S134	38	((puttaiah same rajeev) (smaga same john) (himmler same ronald) (higley same lin) (muller same marshall)).in.	US-PGPUB; USPAT; USOCR